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L41: Entry 1 of 1

File: USPT

May 9, 2006

US-PAT-NO: 7041500

DOCUMENT-IDENTIFIER: US 7041500 B2

TITLE: Insect cell line

DATE-ISSUED: May 9, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20030228696 A1 December 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Robinson; Robin A.	Dickerson	MD		US

US-CL-CURRENT: 435/348; 435/235.1

CLAIMS:

What is claimed is:

1. The cell line ATCC PTA-4047, or a clone or a transfectant thereof.
2. The cell line of claim 1 infected with a recombinant baculovirus, such that at least one recombinant gene product is extracellularly expressed.
3. The cell line of claim 2, wherein the at least one recombinant gene product is a viral gene product.
4. The cell line of claim 3, wherein the viral gene product is a viral capsid protein that self-assembles into virus-like particles.
5. The cell line of claim 4, wherein the virus-like particles comprise a viral gene product of an enveloped virus, a non-enveloped virus, or both.
6. The cell line of claim 5, wherein the virus-like particles are from a virus comprising rotavirus, calicivirus, papillomavirus, hepatitis C virus, hepatitis E virus, influenza virus, human immunodeficiency virus, or a combination thereof.
7. The cell line of claim 2, wherein the recombinant gene product is encoded by a human papillomavirus polynucleotide.
8. The cell line of claim 7, wherein the human papillomavirus polynucleotides are codon optimized for expression in the cell line.

9. The cell line of claim 8, wherein the human papillomavirus polynucleotides comprise SEQ ID NO. 1, SEQ ID NO. 2, SEQ ID NO. 3, SEQ ID NO. 4, or SEQ ID NO. 5, or a polynucleotide that has at least 50% nucleotide sequence identity to any one of the SEQ ID NO. 1, SEQ ID NO. 2, SEQ ID NO. 3, SEQ ID NO. 4, or SEQ ID NO. 5, or a combination thereof.

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WEST Search History

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DATE: Wednesday, March 21, 2007

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Hit Count

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<input type="checkbox"/>	L6	codon optimized and human papillomavirus.clm.	3
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END OF SEARCH HISTORY